

Environmental Protection Agency

§ 60.313

includes the coating application station(s), flash-off area, and curing oven.

Transfer efficiency means the ratio of the amount of coating solids deposited onto the surface of a part or product to the total amount of coating solids used.

VOC content means the proportion of a coating that is volatile organic compounds (VOC's), expressed as kilograms of VOC's per liter of coating solids.

VOC emissions means the mass of volatile organic compounds (VOC's), expressed as kilograms of VOC's per liter of applied coating solids, emitted from a metal furniture surface coating operation.

(b) All symbols used in this subpart not defined below are given the meaning in the Act and in subpart A of this part.

C_a =the VOC concentration in each gas stream leaving the control device and entering the atmosphere (parts per million by volume, as carbon)

C_b =the VOC concentration in each gas stream entering the control device (parts per million by volume, as carbon)

C_r =the VOC concentration in each gas stream emitted directly to the atmosphere (parts per million by volume, as carbon)

D_c =density of each coating, as received (kilograms per liter)

D_d =density of each diluent VOC-solvent (kilograms per liter)

D_r =density of VOC-solvent recovered by an emission control device (kilograms per liter)

E =VOC destruction efficiency of the control device (fraction)

F =the proportion of total VOC's emitted by an affected facility that enters the control device (fraction)

G =the volume-weighted average mass of VOC's in coatings consumed in a calendar month per unit volume of coating solids applied (kilograms per liter)

L_c =the volume of each coating consumed, as received (liters)

L_d =the volume of each diluent VOC-solvent added to coatings (liters)

L_r =the volume of VOC-solvent recovered by an emission control device (liters)

L_s =the volume of coating solids consumed (liters)

M_d =the mass of diluent VOC-solvent consumed (kilograms)

M_o =the mass of VOC's in coatings consumed, as received (kilograms)

M_r =the mass of VOC's recovered by an emission control device (kilograms)

N =the volume weighted average mass of VOC emissions to the atmosphere per unit vol-

ume of coating solids applied (kilograms per liter)

Q_a =the volumetric flow rate of each gas stream leaving the control device and entering the atmosphere (dry standard cubic meters per hour)

Q_b =the volumetric flow rate of each gas stream entering the control device (dry standard cubic meters per hour)

Q_r =the volumetric flow rate of each gas stream emitted directly to the atmosphere (dry standard cubic meters per hour)

R =the overall VOC emission reduction achieved for an affected facility (fraction)

T =the transfer efficiency (fraction)

V_s =the proportion of solids in each coating (or input stream), as received (fraction by volume)

W_o =the proportion of VOC's in each coating (or input stream), as received (fraction by weight)

§ 60.312 Standard for volatile organic compounds (VOC).

(a) On and after the date on which the initial performance test required to be conducted by § 60.8(a) is completed, no owner or operator subject to the provisions of this subpart shall cause the discharge into the atmosphere of VOC emissions from any metal furniture surface coating operation in excess of 0.90 kilogram of VOC per liter of coating solids applied.

§ 60.313 Performance tests and compliance provisions.

(a) Section 60.8(d) and (f) do not apply to the performance test procedures required by this subpart.

(b) The owner or operator of an affected facility shall conduct an initial performance test as required under § 60.8(a) and thereafter a performance test each calendar month for each affected facility according to the procedures in this section.

(c) The owner or operator shall use the following procedures for determining monthly volume-weighted average emissions of VOC's in kilograms per liter of coating solids applied (G).

(1) An owner or operator shall use the following procedures for any affected facility which does not use a capture system and control device to comply with the emissions limit specified under § 60.312. The owner or operator shall determine the composition of the coatings by formulation data supplied by the manufacturer of the coating or